

IN THE CLAIMS:

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A 1. (Currently Amended) A laser lens system for illustrating a printing form, the system comprising:

an edge-emitting laser;

at least one spherical lens arranged between the laser and the printing form in order to
5 bundle the laser light emitted by the laser; and

at least one aspherical lens arranged between the spherical lens and the printing form for focusing or converging the laser light onto a desired spot on the printing form.

2. (Original) A lens system in accordance with claim 1, wherein at least one lens is a cylinder lens.

3. (Currently Amended) A lens system in accordance with claim 1, wherein said aspherical ~~asymmetrical~~ lens comprises two or more of said lenses integrated together as an optical element.

4. (Currently Amended) A lens system in accordance with claim 1, wherein said aspherical ~~asymmetrical~~ lens comprises two or more of said lenses integrated together as an optical element.

5. (Currently Amended) A lens system in accordance with claim 1, wherein at least one

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of said spherical ~~symmetrical~~ lens and said aspherical ~~asymmetrical~~ lens has, in a first direction, a focusing point coinciding with at least ~~one~~ another of said ~~lens~~ spherical ~~symmetrical~~ lens and said aspherical ~~asymmetrical~~ lens for focusing the laser light in a second direction.

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6. (Currently Amended) A lens system in accordance with claim 1, wherein at least one of said spherical ~~symmetrical~~ lens and said aspherical ~~asymmetrical~~ lens has, in a first direction, a focusing point coinciding with another aspherical ~~asymmetrical~~ lens for focusing the laser light in a second direction.

7. (Currently Amended) A lens system according to claim 1, ~~in combination with a~~ wherein the laser is an edge-emitting laser emitting laser light from an essentially one dimensional edge.

8. (Canceled)

9. (Original) A lens system in combination accordance with claim 7, wherein said spherical lens is arranged in front of an emitting area of the laser such that the focal point of the spherical lens is located at a greater distance from the spherical lens than from the light-emitting area.

10. (Canceled)

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11. (Canceled)

12. (Currently Amended) A process for illustrating a printing form, the process comprising:

continuously operating a laser for exposing an area element of a predetermined width and height;

5 generating the laser light with the laser focused by a lens system with at least one spherical lens arranged between the laser and the printing form in order to bundle the laser light emitted by the laser and at least one aspherical lens arranged between the spherical lens and the printing form for focusing or converging the laser light directly onto a desired spot ~~such that~~ as a strip is produced directly by said focusing or converging and having which has a strip width that approximately corresponds to the width of the area element to be exposed, wherein the strip has a strip height that is smaller than the height of the area element to be exposed and the strip height is much smaller than the strip width; and

10 leading the laser light strip generated over the area element to be exposed such that the entire height of the area element to be exposed is swept by the strip.

13. (Original) A process in accordance with claim 12, wherein the laser is switched off when the strip has swept the entire height of the area element to be exposed.

14. (Original) A process in accordance with claim 12, wherein at least one lens is a

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cylinder lens.

15. (Currently Amended) A process in accordance with claim 12, wherein said aspherical ~~asymmetrical~~ lens comprises two or more of said lenses integrated together as an optical element.

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16. (Currently Amended) A process in accordance with claim ~~12~~ 13, wherein said aspherical ~~asymmetrical~~ lens comprises two or more of said lenses integrated together as an optical element.

17. (Currently Amended) A process in accordance with claim 12, wherein at least one of said spherical ~~symmetrical~~ lens and said aspherical ~~asymmetrical~~ lens has, in a first direction, a focusing point coinciding with at least one another of said lens spherical ~~symmetrical~~ lens and said aspherical ~~asymmetrical~~ lens for focusing the laser light in a second direction.

18. (Currently Amended) A process in accordance with claim 12, wherein at least one of said spherical ~~symmetrical~~ lens and said aspherical ~~asymmetrical~~ lens has, in a first direction, a focusing point coinciding with another aspherical ~~asymmetrical~~ lens for focusing the laser light in a second direction.

19. (Currently Amended) A process in combination according to claim 12, wherein the

Sub B' (A) laser is an edge-emitting or an area-emitting semiconductor laser diode.

Cond A1 20. (Original) A process in combination accordance with claim 19, wherein said spherical lens is arranged in front of an emitting area of the laser such that the focal point of the spherical lens is located at a greater distance from the spherical lens than from the light-emitting area.

ADD A2 21. (New) A laser lens system for illustrating a printing form without a mirror, the system comprising:

an essentially one-dimensional edge-emitting laser emitting single beam laser light;

5 at least one spherical lens arranged between the laser and the printing form in order to bundle the single beam laser light emitted by the laser; and

at least one aspherical lens arranged between the spherical lens and the printing form for focusing or converging the single beam laser light directly onto a desired spot on the printing form.

22. (New) A lens system according to claim 21, wherein the laser is an edge-emitting laser emitting laser light from an essentially one dimensional edge and the focused or converged light forms a strip area with a height much smaller than a width whereby the strip area is moved relative to the printing form to expose the printing form.

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23. (New) A lens system according to claim 1, wherein the laser is an edge-emitting laser emitting laser light from an essentially one dimensional edge and the focused or converged light forms a strip area with a height much smaller than a width whereby the strip area is moved relative to the printing form to expose the printing form.
